

Lottie
885113

TGS → P.G.
- P.G.

Schroeter, Tom EM:EX

From: Lane, Bob EM:EX
Sent: Friday, July 09, 1999 9:30 AM
To: Beswick, Ed EM:EX; Pow, David EM:EX; MacDonald, Ken EM:EX; Morgan, David EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Cathro, Mike EM:EX; Pinsent, Robert EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; Brown, Derek EM:EX; McArthur, Gib EM:EX
Subject: Lane Weekly Reports

Lane Weekly for June 28 to July 8, 1999.

Exploration:

Dot Com. On June 29, briefly looked at small trenching program of Jack Brown-John and Herb Wahl west of Horsefly. They encountered porphyry and flow-top copper mineralization in float during logging in the area last year. Trenching reached sub-outcrop. Assays grade up to several percent copper with elevated silver values.

List. Spent the better part of a day (June 29) with PA grantee Bill Poole on his List property west of Quesnel near the Blackwater River. A small trenching program targeted a gold soil anomaly located near the contact between a granite and ultramafic rock package, but did not identify anything of significant interest. Narrow quartz-sulphide veins, some heavily oxidized, likely contributed to the anomaly.

Tas **Tas.** On June 30, examined core from a recently completed a seven-hole, 650-metre diamond drill program completed by Omni Resources on their porphyry copper-gold prospect located east of Inzana Lake. Not much of the core was sampled and mineralization was sparse. Mineralization is primarily fracture-controlled and consists of 1-2% pyrite and traces of chalcopyrite in augite pyritic flows and tuffs, siltstones and argillites. A limited amount of core was split and sampled.

new Lottie
from Bow showing
Lottie. **CONFIDENTIAL** Spent two days (July 5-6) with Eureka Resources examining several VMS float showings on their claims north of Wells. Company president Jack O'Neill, directors John Kerr and Hugh Morris, contract workers Warner Gruenwald, Rob Montgomery and John Austerhagen, consultant Roger Paulin and GSBer Peter Bobrowsky were on site. The three float discoveries (Bow, Tow and Lottie) were made by PA grantee Martin Peter in 1997 and 1998. Each area is underlain by basalts and/or cherty sediments of the Upper Paleozoic Antler Formation (Slide Mountain Group). At Lottie, a small trench dug at the float discovery site generated many angular blocks of laminated chalcopyrite-rich massive sulphide and stringer float within cherty sediments (exhalite?) all within a zone of ferricrete—bedrock cannot be far. Assays of massive sulphide float discovered last year by Peter graded up to 24.3% Cu, 400 ppb Au and 19.6 g/t Ag with elevated As, Co, Mo, Pb and Zn. One semi-massive sulphide cobble assayed 4.51% Zn and 1.00% Pb. The company is presently conducting a till fabric and till sampling program in order to determine the most likely source for the massive sulphide float—preliminary indications are that the up-ice/source direction is to the east. Eureka completed additional staking and will be seeking a joint-venture partner for the project. Hopefully we'll see a phase II at this exciting new VMS discovery.

Bow At the Bow property, float is very similar to that observed at Lottie, although grades are lower

Schroeter, Tom EM:EX

JAE → GSB
- Expl'n
Serv.

From: McArthur, Gib EM:EX
Sent: Friday, October 08, 1999 2:26 PM
To: Brown, Derek; Lefebure, Dave; Smyth, Ron
Cc: McLaren, Graeme EM:EX; Brown, Beverly; Holland, Janet; Hutchins, Julie; Passmore, Kim; Robertson, Sheila; Bobrowsky, Peter; Cook, Stephen; Desjardins, Pat; Dixon-Warren, Antigone; Jackaman, Wayne; Kilby, Ward; Lett, Ray; Levson, Vic; Paulen, Roger; Cathro, Mike; Jakobsen, Dorthe; Lane, Bob; Schroeter, Tom; Wilton, Paul; Wojdak, Paul
Subject: Exploration Services Report For the Period Ending October 8. 1999

ISSUES FOR THE DIVISION REPORT:

- **Bella Coola Stream Sediment Survey** has been completed with 94 samples collected covering an area of approximately 800 square kilometres. Travis Ferbey was injured in a fall during the sample collection and is now recovering at home. An internal investigation and report is being planned.
- **MapPlace:** Ward Kilby reports that the new computer servers on loan from FRBC have been installed at Canada Place in Vancouver and configured to our network. Ward is now transferring major datasets from the old server on Victoria to the new server. Also terrain stability map files and soils data are being loaded as well as updates/corrections to existing datasets, e.g. geology. Clients are now accessing data on the new servers.

OTHER ISSUES:

- **Aggregates:** Peter Bobrowsky has been contacted by BC Assets & Land Corporation for information (aggregate potential mapping, inventory etc.) to assist a major initiative for management of aggregate resources on Crown lands in the lower mainland. Plan to follow up to see if opportunity for GSB's aggregate potential mapping program to assist.
- **Fieldwork Volume:** Staff are preparing four papers the upcoming edition.
- **Exploration news:** Jack O'Neil (CEO of Eureka) called Peter Bobrowsky to request additional help on another property. **CONFIDENTIAL:** the Lotti property that Peter visited this summer and advised on till geochemistry/Quaternary has panned out well. Jack is currently negotiating with Hudsons Bay Mining who plan to option and go into full scale drilling, etc.
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LOTTIE

TGS → Reg. Mgr.
- Pr. Geol.

Schroeter, Tom EM:EX

From: Beswick, Ed EM:EX
Sent: Friday, December 10, 1999 8:19 AM
To: Adams, Rick; Anderson, Duane; Bergen, Wally; Brown, Derek; Castillo, Talitha; Cheetham, Pat; Conte, Rick; Curtis, Ross; Eaton, Tim; Errington, John; Finvers, Maija; German, Gerald; Hall, Ted; Hermann, Fred; Hesketh, Joan; Jorgensen, Sharon; Lefebure, Dave; Lieutard, Denis; McArthur, Gib; McLaren, Graeme; Phelan, Bill; Rennie, Lorna; Ringstad, Norm; Schmitt, Rolf; Schroeter, Tom; Smyth, Ron; Starkes, Terri; Stewart, Linda; Whale, Andrew; White, Don; Blackwell, Romona; Lane, Bob; MacDonald, Ken; McBride, Brian; Morgan, David; Pardy, Jamie; Pittman, Ed; Pow, David; Rivers, Jan; Webber, Shelley; Wick, Patricia; Wood, Nancy
Subject: Prince George Update to Dec. 10

Issues:

Kemess:

December 3, 1999, at 8:35 am, a first aid attendant at Kemess discovered the body of an employee in his room in the camp. The first aid attendant was checking up on the employees who have been struck by a flu outbreak in camp. The victim is an older, mid sixties, gentleman in generally poor health who had been off work for four days. The Coroner is investigating the death. MEM will monitor the investigation to determine if there is any work related cause or contributing factor.

Northgate continues to manage the project under PWC direction/authority. Progressive attitude regarding environmental and social issues starting to show through as the management team becomes more familiar with the issues.

Mt. Polley: Thorough mill inspection during recent OHSC training session has raised the profile of H&S.

FYI:

contact Bob Lane for additional details...

Lottie (Eureka Resources). This VMS float prospect, north of Wells, was discovered in 1998 by Martin Peter while on the Prospectors Assistance grant program. Blocks of massive sulphide mineralization(float) assayed up to 24% Cu. Underlying rocks are 'cherty' argillite and basalt of the Antler Formation (Slide Mountain Terrane), a prospective belt which trends northwesterly through the region. Eureka has optioned an 850 unit property comprising the Lottie, Bow and Tow VMS float prospects to Hudson Bay Mining and Smelting, an affiliate of Anglo American Plc. Hudson Bay will fund a \$400,000 exploration program in 2000, consisting of airborne and ground-based geophysical surveys, geochemistry, geological mapping and diamond drilling.

Frank Creek (Barker Minerals). Massive sulphide mineralization discovered east of Cariboo Lake by Louis Doyle (Barker Minerals) this fall continues to be examined by junior exploration (most recently Hunter-Dickenson) and major mining companies (e.g. Teck, Hudson Bay). A composite grab sample assayed 2.02% Cu, 305 ppb Au, 1.16% Pb and 0.94% Zn. The trench hit bedded massive sulphides at a depth of 2 - 2.5 metres. The area has been mapped as part of the Paleozoic Snowshoe Group (Harveys Ridge succession), Barkerville Terrane, by Struik (1988).

TOS → R G
- Fr. Geo.

Schroeter, Tom EM:EX

From: Lane, Bob EM:EX
Sent: Wednesday, June 28, 2000 2:33 PM
To: Brian McBride; Brian McGrath; David Morgan; David Pow; Ed Beswick; Ed Pittman; Ken MacDonald; Romona Blackwell; Jacques Houle; Mike Cathro; Paul Wilton; Paul Wojdak; Dave Lefebure; Derek Brown; Gib McArthur; Larry Jones; Robert Pinsent; Ron Smyth; Tom Schroeter
Subject: Lane Weekly

Lane Weekly Report for June 9-28, 2000 (One Long Week!)

Hixon Creek placer. Re-visited LeWayne Musselwhite's (June 14) operation on Hixon Creek. Intrigued about the sharp and angular nature of gold particles that are being recovered from this claim which indicates that the particles have not been transported far from their bedrock source. Underlying bedrock consists of 'mica shists' of the Paleozoic to Proterozoic Barkerville Subterrane. Old maps show the dollar value of chip (or panel) samples taken from underground workings in bedrock on the south side of the creek near an old hydraulic pit. Several values were greater than \$10/ton and one in excess of \$80.00/ton. I have encouraged him/partners to stake the ground for its lode gold potential.

Terry Creek placer. Visited with Ervin Broadfoot (June 15) on his claim on Terry Creek. He is in the process of developing a new settling pond in order to conduct some testing. Gold from this property is also quite angular, but not as angular as that coming from Hixon Creek.

WELLS-BARKERVILLE AREA

Cariboo Gold Quartz. Drilling continues on the Bonanza Ledge discovery (currently on hole BC2K-23), although at the time of my visit (June 19) the drill was broken (again). International Wayside is still halted (6 weeks and counting). Examined bedrock exposures near the old hydraulic pits in the Stouts Gulch and upper Lowhee Creek areas with Panterra consultant Kika Ross (June 19). A June 28 news release has International Wayside back-peddling because of overly-optimistic/unrealistic statements made about their open pit resource on Cow Mountain (we'll call it good old fashioned 'junior mining company promotion'). It also states that the company has received written proposals for participation in the project, but none have been accepted.

Lottie Lake. Spent June 20 with Hudson Bay Exploration and Development crew and Bert Struik (GSC) and Fil Ferri (GSB) examining bedrock exposures of Slide Mountain Terrane on the property and on Sliding Mountain, the type section for the oceanic package. The crew of about 10 has been working out of Wells for about a month; bedrock mapping and till sampling have been the main focus; an airborne survey was limited to areas of least topographic expression leaving large parts of the claim block untested. Possible that a helicopter-borne survey will commence later in the year.

Cariboo Thompson. Examined the workings in the vicinity of the of the old Cariboo Thompson past producer (June 21), located near Penny Creek along the route to Yanks Peak. The polymetallic vein deposit was accessed by one main adit and a reported 4 tonnes were mined in 1937. The prospect was re-evaluated by Interior Coast Ventures in the 1970's by Coast Interior Ventures and late 70s - early 80s by Chaput Logging Ltd. The vein system developed in Hardscrabble Formation (black to green

Handwritten signatures and initials: "D.S. - Aug 11/91" and "L.H. 1/5"

Schroeter, Tom EM:EX

From: Pow, David EM:EX
Sent: Friday, October 27, 2000 10:36 AM
To: Adams, Rick EM:EX; Anderson, Duane EM:EX; Bergen, Wally EM:EX; Brown, Derek EM:EX; Cheetham, Pat EI:EX; Cochrane, Marlene EM:EX; Conte, Rick EM:EX; Curtis, Ross EM:EX; Errington, John EM:EX; Finvers, Maija EM:EX; German, Gerald EM:EX; Hall, Ted EM:EX; Headley, George EM:EX; Hermann, Fred EM:EX; Hesketh, Joan EM:EX; Jorgensen, Sharon EM:EX; Kennedy, Wesley EM:EX; Lefebure, Dave EM:EX; Lieutard, Denis EM:EX; McArthur, Gib EM:EX; McLaren, Graeme EM:EX; Phelan, Bill EM:EX; Rennie, Lorna EM:EX; Ringstad, Norm EAO:EX; Schmitt, Rolf EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX; Starkes, Terri EM:EX; Stewart, Linda EM:EX; Whale, Andrew EM:EX; White, Donald AG:EU
Cc: Beswick, Ed; Blackwell, Romona; Lane, Bob; MacDonald, Ken; McBride, Brian; McGrath, Brian; Morgan, David; Pittman, Ed; Rivers, Jan; Wick, Patricia; Wood, Nancy
Subject: Prince George Week of Oct 23-27

Land Use

Comment provided on the Vanderhoof Lakeshore Classification plan which seeks 200 m setback distances on certain lakes within claim groupings with defined mineral potential (and where drilling and trenching has occurred), including Tommy Lakes (Tsacha Property). Possible ramifications to other land use plans and major impact on exploration activities.

Placer

Updating Bond Calculation/Surface Disturbance spreadsheet with new equipment and labour rates. Typical minimum placer bond \$3500 and mineral \$5000.00. DFO would prefer to see performance bonds in the order of \$50, 000 to \$100, 000.

OCPS meeting and workshop attended by D Pow K MacDonald and B McGrath to develop strategies to meet concerns of COs and DFO related to lack of compliance at certain sites, and overall concern about orphan and/or unreclaimed placer sites. action plan developed....COs still pursuing additional legislative authority for fisheries officers despite lack of interest of regional resource agencies. DFO may have some funds available to assist in developing a Best Management Practices manual which we have been working on.

Reviewed progress of Federal Crown (DF0) case against placer client for destruction of fish habitat. Defendant was acquitted of all charges as Crown failed to demonstrate impacts to fisheries resources. Mines Branch should obtain a copy of the Judge's decision (about \$100). Apparently judge was critical of Mines Branch staff, either testimony or permitting process. Also apparently the Judge defined "wetted perimeter" which has implications for most of our placer permitting process. CMA was present to hear verdict. Provincial crown should review decision and relay impacts, in any.

DO Bullmoose

Stored assay lab chemical (sulfur analyzer diluent containing pyridine(sp?) was knocked over and bottle broke. While cleaning up spill worker inhaled fumes and became sick. Transported to hospital and released. Site ventilated and cleaned up by ERT team. Appears there is no neutralizer for material, activated charcoal or ventilation used to clear area. Old material that had not been used for about 6 yrs, name of product has changed and there was a little confusion when checking MSDS list, resolved quickly.

Placer and exploration inspections continuing while weather holds

EXPLORATION

Lottie Lake: HBED has completed their exploration program north of Wells. Limited diamond drilling

test 2 areas. Results pending.

Schroeter, Tom EM:EX

From: Lane, Bob EM:EX
Sent: Friday, October 19, 2001 4:35 PM
To: Cathro, Mike; Houle, Jacques; Terry, David; Wojdak, Paul; EM MB Prince George DL; Brown, Derek EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX
Subject: Lane Weekly to October 19, 2001

Lane Weekly to October 19, 2001

Property Visits:

Kemess North. Kemess Mine Ltd. is presently drilling the last hole of this years diamond drill program on its ~~Kemess North~~ porphyry Au-Cu deposit, located just 6 km north of the Kemess South pit. Assay results from the first ten holes, released in mid-September, will lead to a significant increase in the resource for the deposit, and resulted in the drilling of an additional six holes. Each of these holes targeted the projection of the zone to the east in the East Cirque area. The geometry of the deposit is not fully understood. However, a flat or gently-dipping component is recognized.

The core of the Kemess North deposit is characterized by intense silicification within which well-developed magnetite-pyrite-chalcopyrite stockworks, dilational or 'crackle' breccias and true breccias occur. The silica-flooded zones carry the highest grades of copper and gold mineralization encountered to date. They (mainly) occur within a monzonite/monzodiorite/quartz monzodiorite sill-like intrusion and/or on contacts between the intrusions and enclosing intermediate to mafic flows (although the protolith is difficult to impossible to determine in many instances). The quartz-rich core grades outward to a silica-sericite zone, a hybrid silica-potassic zone (biotite >> K-feldspar) and then more distal argillic and propylitic zones.

By the end of the program, 16 holes, most of them vertical, totaling about 8200 metres will have been drilled. An expanded exploration program is anticipated for 2002.

Exploration Monitoring:

Frank Creek and SCR. Barker Minerals Ltd. plans to initiate a trenching and diamond drilling program in early-mid November immediately after the company has been listed. It will focus on volcanogenic massive sulphide (VMS) targets the broad Frank Creek property immediately south of Cariboo Lake. Small programs are planned for the Ace VMS prospect and a stable of properties that comprise the company's Quesnel Platinum Project.

Woodjam. Fjordland Minerals Ltd. has outlined two large chargeability anomalies on its Woodjam gold-copper porphyry prospect located near Horsefly. The company has submitted a NoW outlining a 5-hole, 1500-metre diamond drilling program.

Fran. Navasota Resources Ltd. will be mobbing a diamond drill onto its Fran property, located near Inzana Lake north of Ft. St. James, early next week. The maximum 10-hole, 3000 metre drilling program is designed to test for gold-bearing porphyry mineralization related to sulphide-rich shear/veins that were discovered by Richard Haslinger a four years ago. A visit to the property is planned for late October/early November.

Lottie Lake. Eureka Resources Inc. conducted limited geochemical and geophysical surveys on its Lottie Lake property, north of Wells in the Cariboo, and delineated two strong east-trending conductive zones, 300 metres and 400 metres in length, south of the main high-grade float area. The company completed 2 short holes to test

these targets in late September. Details and assay results have not yet been released.

Laidman and Holy Cross. Geoff Goodall has begun a two-week exploration program focusing on these two gold prospects located in the Nechako Plateau area south of Vanderhoof

Prospectors Assistance Program (Confidential)

2AA Robin Day. Final report submitted; CA signed with major company.

Sheran Paterson. Program completed and final report reviewed and returned to Victoria

Ron McArthur. Ron returned to the site with possible optionee.

Lorne Warren. Lorne and assistant returned to JM prospect area for completion of grid and soil and rock sampling program-snow is likely hampering their attempts to complete grid work.

Other Activities:

RG Conference Call: Discussed series of issues including status/level of exploration in each region and highlights projects, Exploration and Mining in BC volume, future of Prospector's Assistance Program, etc

RG/GSB Conference Call: Reviewed RG issues with GSB management and focused fair bit of discussion on upcoming BC Mineral Exploration Review.

NEDO/Japan. Spent a hectic, but very worthwhile two weeks in Japan largely sponsored by NEDO (New Energy and Industrial Technology Development Organization), a Japan government-funded agency for the development of oil-alternative energy technologies. As one of four visiting speakers, I presented a paper entitled "The Western Canadian Coal Industry with a Focus on New Developments in British Columbia". The other speakers were from Queensland, New South Wales and Indonesia.

Bob Lane
Regional Geologist
Prince George

Oct. 19/01